

## INTERNATIONAL SEARCH REPORT

ational Application No

.../EP2004/006376

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10G47/16 C10G47/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/094931 A1 (DONG LITING ET AL) 18 July 2002 (2002-07-18) columns 1,29; table 6 -----	1-11
X	WO 97/20016 A (SHELL CANADA LTD ; SHELL INT RESEARCH (NL)) 5 June 1997 (1997-06-05) page 6, line 34 - page 12, line 15; claims 1,3,8-10 -----	1-11
X	US 5 350 501 A (WARD JOHN J) 27 September 1994 (1994-09-27) cited in the application column 4, line 3 - column 7, line 37 column 14, line 15 - line 24; claims 1,9; table 1 -----	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

13 September 2004

Date of mailing of the international search report

23/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Deurinck, P

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/EP2004/006376

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002094931	A1	18-07-2002	CN	1351120 A	29-05-2002
WO 9720016	A	05-06-1997	AU	714677 B2	06-01-2000
			AU	1096997 A	19-06-1997
			BR	9611659 A	23-02-1999
			CA	2238177 A1	05-06-1997
			CN	1207117 A ,B	03-02-1999
			CZ	9801648 A3	14-10-1998
			DE	69615584 D1	31-10-2001
			DE	69615584 T2	11-07-2002
			WO	9720016 A1	05-06-1997
			EP	0876445 A1	11-11-1998
			ES	2164932 T3	01-03-2002
			HU	0000176 A2	28-06-2000
			JP	2000500698 T	25-01-2000
			NZ	323922 A	28-01-2000
			OA	10689 A	27-11-2002
			PL	326985 A1	09-11-1998
			RU	2169044 C2	20-06-2001
			SK	70198 A3	02-12-1998
			US	5853566 A	29-12-1998
			ZA	9609908 A	28-05-1997
US 5350501	A	27-09-1994	AT	131416 T	15-12-1995
			DE	69115480 D1	25-01-1996
			DE	69115480 T2	02-05-1996
			EP	0530299 A1	10-03-1993
			JP	5506400 T	22-09-1993
			WO	9117829 A1	28-11-1991
			US	5447623 A	05-09-1995
			US	5536687 A	16-07-1996
			US	5279726 A	18-01-1994